

FORM PTO-1449	SERIAL NO. To be Assigned	CASE NO. 3614/94
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE Herewith	GROUP ART UNIT FROM PRIOR APPLICATION 3762
(use several sheets if necessary)		APPLICANT(S): Vincent Chow et al.

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
KDM	A1	2,760,483	08/28/56	Tassicker		
	A2	3,594,823	07/27/71	Collins		
	A3	3,628,193	12/21/71	Collins		
	A4	3,766,311	10/16/73	Boll		
	A5	3,848,608	11/19/74	Leonard		
	A6	3,914,800	10/28/75	Collins		
	A7	4,001,867	01/04/77	Kravitz et al.		
	A8	4,211,474	07/08/80	Le Goff		
	A9	4,251,887	02/24/81	Anis		
	A10	4,272,910	06/16/81	Danz		
	A11	4,551,149	11/05/85	Sciarra		
	A12	4,600,004	07/15/86	Lopez et al.		
	A13	4,601,545	07/22/86	Kern		
	A14	4,628,933	12/16/86	Michelson		
	A15	4,679,572	07/14/87	Baker, Jr.		
	A16	4,681,102	07/21/1987	Bartell		
	A17	4,750,498	06/14/88	Graham		
	A18	4,810,050	03/07/89	Hooper		
	A19	4,832,202	06/1989	Newman et al.		
	A20	4,873,448	10/10/89	Shirai		
	A21	4,978,842	12/18/90	Hinton et al.		
	A22	5,016,633	05/21/91	Chow		
	A23	5,024,223	06/18/91	Chow		
	A24	5,109,844	05/1992	de Juan Jr. et al.		
	A25	5,130,528	07/14/92	Phillips, Jr.		
	A26	5,130,776	07/14/92	Popovic et al.		
	A27	5,159,927	11/03/92	Schmid		
	A28	5,223,728	06/29/93	Gempe		
	A29	5,256,882	10/1993	Miyasaka		
	A30	5,273,530	12/28/1993	del Cerro et al.		
	A31	5,338,991	08/16/94	Lu		
	A32	5,351,309	09/27/94	Lee et al.		
	A33	5,397,350	03/14/95	Chow et al.		
	A34	5,411,540	05/02/95	Edell et al.		
	A35	5,476,494	12/19/95	Edell et al.		
	A36	5,491,349	02/13/96	Komoto et al.		
KDM	A37	5,556,423	09/17/96	Chow et al.		

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## REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
KDM	A38	5,648,655	07/15/97	Rostoker		
	A39	5,717,201	02/10/98	Lin et al.		
	A40	5,817,075	10/06/1998	Giungo		
	A41	5,865,839	02/02/99	Doorish		
	A42	5,868,728	02/09/1999	Giungo et al.		
	A43	5,895,414	04/1999	Chow et al.		
	A44	5,895,415	04/20/99	Chow et al.		
	A45	5,935,155	08/10/99	Humayun et al.		
	A46	5,941,250	08/24/1999	Aramant et al.		
	A47	5,944,747	08/31/99	Greenberg et al.		
	A48	5,962,027	10/05/1999	Hughes		
	A49	6,032,062	02/29/00	Nisch		
	A50	6,035,236	03/07/00	Jarding et al.		
	A51	6,159,218	12/12/2000	Aramant et al.		
KDM	A52	6,230,057	05/2001	Chow et al.		

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES NO
KDM	A53	WO 99/15119	04/01/99	PCT		
	A54	DE-OS 195 29 371	02/13/97	Germany		
	A55	GB 2 229 543 A	09/26/90	Great Britain		
	A56	0 501 904 A2	02/26/92	EPO		
	A57	0 233 789	02/20/87	EPO		
KDM	A58	0 084 621 A2	11/23/82	EPO		

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)
KDM	A59 Article published in <i>Science News</i> , February 2, 1974, Vol. 105, No. 5, p. 105.
	A60 Article published in <i>Science</i> , July 1981.
	A61 Abrams, Dr. Susan B., "Implanted photodiodes could restore lost vision", <i>Biophotonics Research</i> , 2 pages, 1997
	A62 Ando, Haruhisa, et al. "Design Consideration and Performance of a New MOS Imaging Device", 6 pages, <i>IEEE</i> (1985)
	A63 Armington, J.C., Brigell, M., "Effects of Stimulus Location and Pattern Upon the Visually Evoked Cortical Potential and the Electroretinogram," <i>Int J. Neurosci</i> , 1981; 14:169-178.
	A64 Baylor, D.A., Fourtes, M.G.F., "Electrical Responses of Single Cones in the Retina of the Turtle," <i>J Physiol</i> , 1970; 207:77-92.
KDM	A65 Bergmann-Schaefer, "Lehrbuch der Experimentalphysik" (Textbook of Experimental Physics), vol. II, "Electricity and Magnetism" by Prof. Dr. -Ing. H. Gobrecht, 3 pp., (1971) plus translation.

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KDM	A66	Bobsch, M.D., Joseph M. and Grosser, Ph.D., Morton "Newer Repair at the AXOM Level: A Merger of Microsurgery and Microelectronics," VCH Publishers, Inc. (1967).
	A67	Boettner, E.A., Wolter, J.R., "Transmission of the Ocular Media," <i>Invest Ophthalmol</i> , 1962; 1:776-783.
	A68	Brady, G.S., Clauser, H.R., <i>Materials Handbook, Thirteenth Edition</i> , New York, McGraw-Hill, 1991; 739-740.
	A69	Brindley, G.S., "The Site of Electrical Excitation of the Human Eye," <i>J. Physiol</i> , 1955; 127-189-200.
	A70	Brindley, G.S., "Beats Produced by Simultaneous Stimulation of the Human Eye with Intermittent Light and Intermittent or Alternating Electric Current," <i>J. Physiol</i> , 1962; 164:156-167.
	A71	Brown, et al., "Monolithically Integrated 1 x 12 Array of Planar InGaAs/InP Photodiodes," <i>Journal of Lightwave Technology</i> , Vol. LT-4, No. 3, March 1986, pgs. 283-286.
	A72	Chapin, D.M., et al., "A New Silicon p-n Junction Photocell for Converting Solar Radiation into Electrical Power," Letters to the Editor, <i>Journal of Applied Physics</i> , Vol. 25, (Jan.-Dec., 1954).
	A73	Chow, A.Y., "Electrical Stimulation of the Rabbit Retina with Subretinal Electrodes and High Density Microphotodiode Array Implants," ARVO Abstracts, <i>Invest Ophthalmol Vis Sci</i> . 199334 (Suppl):835.
	A74	Curcio, C.A., Sloan, K.R., Kalha, R.E., Hendrickson, A.E., "Human Photoreceptor Topography," <i>J of Comparative Neurology</i> , 1990; 292:497-523.
	A75	Dawson, W.W., Radtke, N.D., "The Electrical Stimulation of the Retina by Indwelling electrodes," <i>Invest Ophthalmol Vis Sci</i> , 1997; 16:249-252.
	A76	Dowling, J.E., Ripps, H., Visual Adaptation in the Retina of the Skate," <i>J Gen Physiol</i> , 1970; 56:491-520.
	A77	Eagle, R.C., Lucier, A.C., Bernardino, V.B., et al., "Retinal Pigment Epithelial Abnormalities in Fundus Flavimaculatus," <i>Ophthalmol</i> , 1980; 87:1189-1200.
	A78	Encyclopedia of Electronics, 2d Ed., Stan Gibilisco and Neil Sclater, Co-Editors-in-Chief, pp. 640-645 (1990).
	A79	Fenwick, P.B.C., Stone, S.A., Bushman, J., Enderby, D., "Changes in the Pattern Reversal Visual Evoked Potential as a Function of Inspired Nitrous Oxide Concentration," <i>Electroencephalogr Clin Neurophysiol</i> , 1984; 57:178-183.
	A80	John B. Flynn, et al. "Total Active Area Silicon Photodiode Array", 3 pages (1964).
	A81	Graeme, J., "Position-Sensing Photodiode Amplifiers," Ch. 10, 12 pages
	A82	Granit, R., Helme, T., "Changes in Retinal Excitability Due to Polarization and Some Observations on the Relation Between the Processes in Retina and Nerve," <i>J. Neurophysiol</i> , 1939; 2:556-565.
	A83	Hagins, W.A., Penn, R.D., Yoshikami, S., "Dark Current and Photocurrent in Retinal Rods," <i>Biophys J</i> , 1970; 10:380-412.
KDM	A84	Hergert, Karl, "Detectors: Expanded Photodetector Choices Pose Challenges for Designers", <i>The Photonics Design and Applications Handbook</i> (1996).

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KDM	A85	Humayun, M.S., Propst, R.H., Hickinbotham, D., deJuan E., Jr., Dagnelie G., "Visual Sensations Produced by Electrical Stimulation of the Retinal Surface in Patients with Ed-Stage Retinitis Pigmentosa (RP)," ARVO Abstracts, <i>Invest Ophthalmol Vis. Sci.</i> , 1993; 34 (Suppl):835.
	A86	Humayun, M., Propst R., De Juan, E., et al., "Bipolar Surface Electrical Stimulation of the Vertebrate Retina," <i>Arch Ophthalmol</i> , 1994; 112:110-116.
	A87	Kataoka, "An Attempt Towards an Artificial Retina: 3-D IC Technology for an Intelligent Image Sensor," <i>Transducers '85: International Conference on Solid-State Sensors and Actuators 1985</i> , pp. 440-442.
	A88	Knighton, R.W., "An Electrically Evoked Slow Potential of the Frog's Retina. I. Properties of Response," <i>J. Neurophysiol</i> , 1975; 38:185-197.
	A89	Lin, Heng-Chih, et al., "The Vertical Integration of Crystalline NMOS and Amorphous Orientational Edge Detector" <i>IEEE Briefs</i> , 3 pages, (1992).
	A90	Melen, et al., "A Transparent Electrode CCD Image Sensor for a Reading Aid for the Blind," <i>IEEE Journal of Solid-State Circuits</i> , Vol. SC-9, No.2, April 1974, pp. 41-48.
	A91	Narayanan, M.V., Rizzo, J.F., Edell, D., et al., "Development of a Silicon Retinal Implant: Cortical Evoked Potentials Following Focal Stimulation of the Rabbit Retina with Light and Electricity," ARVO Abstracts, <i>Invest Ophthalmol Vis Sci.</i> , 1994; 35(Suppl): 1380.
	A92	Pagon, R.A., "Retinitis Pigmentosa," <i>Surv Ophthalmol.</i> , 1988; 33:137-177.
	A93	Paton, D., Goldberg, M.F., <i>Management of Ocular Injuries</i> , Philadelphia, W.B. Saunders Co., 1976; 134-135.
	A94	The Penguin Dictionary of Electronics, Editor: Valerie Illingworth, Carol Young Market House Books Ltd., pp. 410-413 (1988).
	A95	Potts, A.M., Inoue J., Buffum D., "The Electrically Evoked Response of the Visual System (EER)," <i>Invest Ophthalmol Vis Sci.</i> , 1968; 7:269-278.
	A96	Robblee, Lois S., <i>Electrochemical Guidelines for Selection of Protocols and Electrode Materials for Neural Stimulation</i> , ch. 2, Renner Learning Resource Center (undated).
	A97	Rovamo, J., Virsu, A., "An Estimation and Application of the Human Cortical Magnification Factor," <i>Exp Brain Res.</i> , 1979; 37:495-510.
	A98	Rubin, M.L., <i>Optics for Clinicians</i> , Gainesville, TRIAD Scientific Publishers, 1974; 119-123.
	A99	Shannon, R.V., "A Model of Safe Levels for Electrical Stimulation," <i>IEEE Trans Biomed Eng.</i> , 1992; 39:424-426.
	A100	Smith, J., "Creating a Bionic Eye", ABC News, 11/5/98, 3 pp.
	A101	Stone, J.L., Barlow, W.E., Humayun, M.S., deJuan, E., Jr., Milam, A.H., "Morphometric Analysis of Macular Photoreceptor and Ganglion Cells in Retinas with Retinitis Pigmentosa," <i>Arch Ophthalmol</i> , 1992; 110:1634-1639.
	A102	Sze, S.M., "Physics of Semiconductor Devices", 2 <sup>nd</sup> Ed., A Wiley-Interscience Publication, John Wiley & Sons, (undated).
V	A103	Tasman, E., ed. <i>Duane's Foundations of Clinical Ophthalmology, Volume 3</i> , Philadelphia, Lippincott, 1992; chapter 13:20-25, chapter 60:1-112.
KDM	A104	Terr, L.I., Linthicum, F.H., House, W.F., "Histopathologic Study of the Cochlear Nuclei After 10 Years of Electrical Stimulation of the Human Cochlea," <i>Am J Otol.</i> , 1988; 9:1-7.

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KDM	A105	Tomita, T., "Electrical Activity of Vertebrate Photoreceptor," <i>Q Rev. Biophys.</i> , 1970; 3:179-222.
COM	A106	Zrenner, Dr. Eberhart, The Development of Subretinal Microphotodiodes for Replacement of Degenerated Photoreceptors, <i>Ophthalmic Res.</i> pp. 269-280 (1997).

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